



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Phillip Dan Cook, et al.

Application No.: 10/628,043

Filing Date: July 25, 2003

For: CARBAMATE-DERIVATIZED NUCLEOSIDES AND OLIGONUCLEOSIDES

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

DATE OF DEPOSIT:

August 27, 2003

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Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, therefore:
 - Certification in Accordance with § 1.97(e) is attached; or
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- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
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- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

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EXCEPT THAT:

In view of the voluminous nature of reference 6, and the likelihood that this reference is available to the Examiner, copies are not enclosed herewith.

In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

Copies of references **1-92 and 96-98** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **08/713,742**, filed **September 13, 1996 now Issued Patent No. 6,111,085**; copies of references **93 and 94** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/688,394**, filed **October 16, 2000 now Issued Patent No. 6,322,987**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

The relevance of those listed references which are not in the English language is as follows:

There are no listed references which are not in the English language.

Date: August 27, 2003

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Form PTO-1449 Modified		Docket No. ISIS-5239	Application No. 10/628,043
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Phillip Dan Cook, et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date July 25, 2003	Group Not Yet Assigned
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
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	2	Atherton et al., "The Fluorenylmethoxycarbonyl Amino Protecting Group", <u>The Peptides</u> , Chapter 1, Gross and Meienhofer (eds.), Academic Press, New York, 1983 , 9, 1-38	
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* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous to send and easily obtainable by the Examiner.



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	11	Dreyer et al., "Sequence-specific cleavage of single-stranded DNA: Oligodeoxynucleotide-EDTA Fe(II)", <i>Proc. Natl. Acad. Sci. USA</i> , 1985 , 82, 968-972
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	30	Stepkowski et al., "Blocking of Heart Allograft Rejection by Intercellular Adhesion Molecule-1 Antisense Oligonucleotides Alone or in Combination with Other Immunosuppressive Modalities", <i>J. Immunol.</i> , 1994 , 5336-5346

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	31	Stirchak et al., "Uncharged Stereoregular Nucleic Acid Analogues. 1. Synthesis of a Cytosine-Containing Oligomer with Carbamate Internucleoside Linkages", <i>J. Org. Chem.</i> , 1987 , 52, 4202-4206	
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	33	Veber et al., "Isonicotinyloxycarbonyl, a Novel Amino Protecting Group for Peptide Synthesis", <i>J. Org. Chem.</i> , 1977 , 42(20), 3286-3288	
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	41	Schirmeister et al., "The 2-(4-Nitrophenyl)ethoxycarbonyl(npeoc) and 2-(2,4-Dinitrophenyl(ethoxycarbonyl(dnpeoc) groups for protection of Hydroxy functions in ribonucleosides and 2'-deoxyribonucleosides," <i>Helv. Chim. Acta</i> , 1993 , <i>76</i> , 385-400
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Examiner Initial	Document No.	Date	Name	Class	Subclass
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44	4,469,863	09/04/84	Ts'o et al.	536	27
45	4,476,301	10/09/84	Imbach et al.	536	27
46	4,958,013	09/18/90	Letsinger	536	27
47	5,023,243	06/11/91	Tullis	514	44
48	5,034,506	07/23/91	Summerton et al.	528	391
49	5,130,302	07/14/92	Spielvogel et al.	514	45
50	5,134,066	07/28/92	Rogers et al.	435	91
51	5,138,045	08/11/92	Cook et al.	536	27
51	5,141,813	08/25/92	Nelson	428	402
52	5,166,195	11/24/92	Ecker	514	44
53	5,177,196	01/05/93	Meyer, Jr. et al.	536	22.1
54	5,212,295	05/18/93	Cooke	536	26.7
55	5,214,134	05/25/93	Weis et al.	536	25.3
56	5,216,141	06/01/93	Benner	536	27.13
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U. S. PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Name	Class	Subclass	
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61	5,264,562	11/23/93	Matteucci	536	23.1	
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63	5,321,131	06/14/94	Agrawal et al.	536	25.34	
64	5,359,044	10/25/94	Cook et al.	536	23.1	
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66	5,378,825	01/03/95	Cook et al.	536	25.34	
67	5,399,676	03/21/95	Froehler	536	23.1	
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	77	5,470,967	11/28/95	Huie et al.	536	24.3
	78	5,484,908	01/16/96	Froehler et al.	536	24.31
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	83	5,510,239	04/23/96	Baracchini, Jr. et al.	435	6
	84	5,514,577	05/07/96	Draper et al.	435	238
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	87	5,519,134	05/21/96	Acevedo et al.	544	243
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	90	5,541,307	07/30/96	Cook et al.	536	23.1
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